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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 10/706,347 | 11/12/2003 | Chen Qian Zhao | A01464 | 6038 |
| 21898 | 7590 | 04/05/2006 | EXAMINER | |
| ROHM AND HAAS COMPANY PATENT DEPARTMENT 100 INDEPENDENCE MALL WEST PHILADELPHIA, PA 19106-2399 | | | SASTRI, SATYA B | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 1713 | |

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/706,347 | ZHAO, CHEN QIAN | |
| | Examiner | Art Unit | |
| | Satya B. Sastri | 1713 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 February 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2 and 6-22 is/are pending in the application.
- 4a) Of the above claim(s) 8 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,6,7 and 9-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1,2 and 6-22 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>4/5/04</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This office action is in response to amendment filed on February 1, 2006. With the addition of new claims, *claims 1, 2, 6-22* are now pending in the application. *Claim 8* is withdrawn from consideration as being directed to a nonelected invention.

2. In view of the amendment, all previous rejections are withdrawn. New grounds of rejection are necessitated by the amendment and therefore, this action is made final.

Previously Cited Statutes

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. *Claims 1, 2, 6, 7, 9-14* are rejected under 35 U.S.C. 102(b) as being anticipated by Hirsch et al. (EP 0653469 A2, DERWENT ABSTRACT).

Prior art to Hirsch et al. discloses an aqueous coating composition based on (a) acetoacetoxyethyl (meth)acrylate (b) glycidyl (meth)acrylate (c) polymerizable unsaturated acid and (d) copolymerizable monomer. Aqueous emulsions include 2-60% solids. The compositions may be used in preparing pressure sensitive adhesives and are low in or free from organic solvents (abstract). Thus, instant claims are anticipated by the prior art.

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5. **Claims 15-22** are rejected under 35 U.S.C. 102(b) as being anticipated by Overbeek et al. (US 5,962,571)

Overbeek et al. disclose a process for preparing organic solvent free aqueous crosslinkable polymer composition from acid functional oligomer and having functional groups. The monomer used for preparing acid functional oligomer may be acrylic acid, methacrylic acid etc. (col. 6, lines 36-68). Functional monomers which impart crosslinkability include epoxy, glycidyl and hydroxyalkyl acrylate and methacrylate as well as acetoacetoxyethyl acrylate and methacrylate (column 7, lines 10-23, lines 35-46, column 8, lines 26-37, working example, claims 1, 12, 18, 19). Thus, instant claims are anticipated by the prior art.

6. **Claims 1, 2, 6, 7, 9** are rejected under 35 U.S.C. 102(b) as being anticipated by Araki et al. (US 4,144,155).

Araki et al. disclose a reactive aqueous emulsion comprising a monomer mixture of 65-98% hydrophobic monomer, 1-30% of unsaturated monomer having glycidyl group and 0.2-5% of unsaturated monomer having a carboxylic group (abstract). Working example discloses polymers obtained by polymerizing monomers with gamma radiation. Examples 1 and 2 include acrylic acid and glycidyl methacrylate in the copolymer composition. The coating composition may be used as an adhesive (column 6, lines 15-17). Thus, instant claims are anticipated by the prior art.

Action Is Final

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7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Future Correspondence

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Satya Sastri whose telephone number is 571-272-1112.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone numbers for the organization where this application or proceeding is assigned is (571) 273-8300 for regular communications. The unofficial direct fax phone number to the Examiner's desk is 571-273-1112.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



SATYA SASTRI

March 31, 2006



DAVID W. WU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700